Vedant Patil

(+91) 8830898783 |vedsmith18@gmail.com | linkedin.com/in/vedantpatil235 | github.com/vedgit872

SUMMARY

A Computer Science undergraduate focused on full-stack development using the MERN stack and Java. With a portfolio of over 250 solved LeetCode problems, I have a demonstrated ability to devise efficient solutions for complex algorithmic challenges and a thorough grasp of Data Structures & Algorithms.

TECHNICAL SKILLS

Languages: Java SE17, Python, JavaScript, SQL, HTML5, CSS3, C++,Assembly Language(8086)
Frameworks & Libraries: React.js, Node.js, Express.js, EJS,Apex
Databases: MongoDB, MySQL, Oracle Apex, PL/SQL
Developer Tools: Git, GitHub, Figma, Canva,Android Studio
Core Concepts: Data Structures & Algorithms, Object-Oriented Programming (OOP), MERN Stack, Web Development

PROJECTS

Yelp Camp | Full-Stack Web Application

- Engineered a full-stack web application with the MERN stack (MongoDB, Express.js, Node.js) and EJS for server-side rendering, creating a platform for users to share and review campground locations.
- Implemented over 25 RESTful API endpoints for complete CRUD (Create, Read, Update, Delete) functionality across multiple data models, including users, campgrounds, and reviews.
- Integrated Passport.js for robust user authentication and authorization, securing user data and ensuring that only authorized users could modify or delete content.

Shopping Application | Using APEX

- Developed a comprehensive online shopping application using Oracle APEX and PL/SQL, featuring a mobile-friendly storefront and a full administrative backend.
- Engineered key e-commerce modules including a product catalog with faceted search, dynamic shopping cart management (add/edit/remove), a secure checkout process, and an interactive map for store locations.
- Built an administrative dashboard with interactive charts for data visualization (e.g., top products, store sales) and automated backend processes with PL/SQL for order management and sending product review reminders via email.

Product Management System | Java

- Designed and built a console-based product management application in Java to manage an inventory of food and drink items.
- Implemented core Object-Oriented Programming (OOP) principles, including inheritance for different product types, interfaces for rateable items, and custom exception handling for robust error management.
- Developed features for parsing product data from files, processing customer reviews, and generating localized reports for different locales (e.g., en-US), demonstrating skills in data persistence and internationalization.

EXPERIENCE

Core Team Member | AI Club - VIT Bhopal | 2024 - Present

- Organized "Code Jumanji," a QR-based coding treasure hunt for over 50 participants, which received a 95% positive feedback rating for creativity and engagement.
- Mentor a group of 2 junior club members, providing guidance on coding practices and project development.

UI/UX Designer | Econnect12

- Led the end-to-end UI/UX design process for the Econnect12 academic platform, creating over 30 high-fidelity screens and interactive prototypes using Figma and Canva.
- Presented the final product to school administrators, including the principal of Delhi Public School (DPSG), Sehore, leading to its successful implementation in a pilot program with over 150 students.

EDUCATION

Vellore Institute of Technology, Bhopal | 2023 - 2027
Bachelor of Technology (Computer Science) | CGPA: 8.98/10.

CERTIFICATIONS

- Oracle Certified Professional: Java SE 17 Developer | Oracle (July 2025)
- Database Developer on Oracle Cloud (APEX) | Oracle (July 2025)
- The Web Developer Bootcamp 2025 | Udemy